

(12) United States Patent

Wirachowski et al.

(54) TORSIONAL VIBRATION DAMPER

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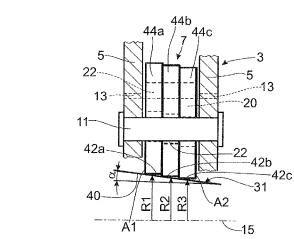
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(57)ABSTRACT

A torsional vibration damper is provided with a damper mass carrier at which is received at least one damper mass that is movable relative to the damper mass carrier and at least one stop. The at least one stop is associated with each stop side of the at least one damper mass. The at least one damper mass and the stop have an extension in extension direction of a central axis. The at least one damper mass has a plurality of damper mass elements in extension direction of the central axis, while the stop has in extension direction of the central axis a stop profile at its side facing the stop sides of the damper mass elements. The stop profile has different radial distances from the central axis in association with the damper mass elements.

21 Claims, 14 Drawing Sheets



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